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#### SEA PHYTOE? AND SYNTH?

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  176 DUP REM L4 (91 DUPLICATES REMOVED)

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=> index bioscience medicine
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COST IN U.S. DOLLARS

FULL ESTIMATED COST ENTRY SESSION 0.21 0.21

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SINCE FILE

TOTAL

69 FILES IN THE FILE LIST IN STNINDEX

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- TI Method of determining the function of nucleotide sequences and the proteins they encode by transfecting the same into a host
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- TI Episomal non-transforming nucleic acid elements in functional genomic and antigenic applications
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- TI Cytoplasmic gene inhibition or gene expression in transfected plants by a tobraviral vector
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- TI Cytoplasmic inhibition of gene expression and expression of a foreign protein in a monocot plant by a plant viral vector
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- TI Cytoplasmic inhibition of gene expression
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- L5 ANSWER 22 OF 176 USPATFULL
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- TI Transformation of tobacco with a mutated cyanobacterial phytoene desaturase gene confers resistance to bleaching herbicides
- L5 ANSWER 24 OF 176 SCISEARCH COPYRIGHT 2003 ISI (R) DUPLICATE 2
- TI Isoprenoid biosynthesis in higher plants and in Escherichia coli: on the branching in the methylerythritol phosphate pathway and the independent biosynthesis of isopentenyl diphosphate and dimethylallyl diphosphate
- L5 ANSWER 25 OF 176 CAPLUS COPYRIGHT 2003 ACS DUPLICATE 3
- TI Functional analysis of the early steps of carotenoid biosynthesis in tobacco
- L5 ANSWER 26 OF 176 SCISEARCH COPYRIGHT 2003 ISI (R) DUPLICATE 4
- TI Barley stripe mosaic virus-induced gene silencing in a monocot plant
- L5 ANSWER 27 OF 176 SCISEARCH COPYRIGHT 2003 ISI (R)DUPLICATE 5
- TI Stimulation of carotenoid metabolism in arbuscular mycorrhizal roots
- L5 ANSWER 28 OF 176 CAPLUS COPYRIGHT 2003 ACS
- TI Use of sense and antisense expression of DNA sequences in plants to identify their coding function
- L5 ANSWER 29 OF 176 CAPLUS COPYRIGHT 2003 ACS
- TI Tobacco .zeta.-carotene desaturase and phytoene synthase and cDNAs and

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- TI Tomato gene B polynucleotides coding for lycopene cyclase
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- TI Bleaching activities of substituted pyrimidines and structure-activity comparison to related heterocyclic derivatives
- L5 ANSWER 35 OF 176 CAPLUS COPYRIGHT 2003 ACS DUPLICATE 7
- TI Metabolic engineering of astaxanthin production in tobacco flowers
- L5 ANSWER 36 OF 176 CABA COPYRIGHT 2003 CABI
- TI Biosynthesis of carotenoids in the chloroplasts of algae and higher plants.
- L5 ANSWER 37 OF 176 SCISEARCH COPYRIGHT 2003 ISI (R) DUPLICATE 8
- TI Production of the isoflavones genistein and daidzein in non-legume dicot and monocot tissues
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- TI Enhanced carotenoid accumulation in storage organs of genetically engineered plants
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- L5 ANSWER 49 OF 176 USPATFULL
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- L5 ANSWER 50 OF 176 USPATFULL
- TI Beta-carotene biosynthesis in genetically engineered hosts
- L5 ANSWER 51 OF 176 SCISEARCH COPYRIGHT 2003 ISI (R) DUPLICATE 10
- TI CLONING AND CHARACTERIZATION OF THE CDNA FOR LYCOPENE BETA-CYCLASE FROM TOMATO REVEALS DECREASE IN ITS EXPRESSION DURING FRUIT RIPENING
- L5 ANSWER 52 OF 176 SCISEARCH COPYRIGHT 2003 ISI (R) DUPLICATE 11
- TI REGULATION OF A CAROTENOID BIOSYNTHESIS GENE PROMOTER DURING PLANT DEVELOPMENT
- L5 ANSWER 53 OF 176 CAPLUS COPYRIGHT 2003 ACS DUPLICATE 12
- TI Mode of action of herbicides affecting carotenogenesis
- L5 ANSWER 54 OF 176 SCISEARCH COPYRIGHT 2003 ISI (R) DUPLICATE 13
- TI CYTOPLASMIC INHIBITION OF CAROTENOID BIOSYNTHESIS WITH VIRUS-DERIVED RNA
- L5 ANSWER 55 OF 176 CAPLUS COPYRIGHT 2003 ACS
- TI Preparation of transgenic plants resistant to .zeta.-carotene desaturase inhibitor herbicides
- L5 ANSWER 56 OF 176 SCISEARCH COPYRIGHT 2003 ISI (R) DUPLICATE 14
- TI ISOLATION, SEQUENCE, AND CHARACTERIZATION OF THE CERCOSPORA-NICOTIANAE PHYTOENE DEHYDROGENASE GENE
- L5 ANSWER 57 OF 176 CAPLUS COPYRIGHT 2003 ACS DUPLICATE 15
- TI Expression of an Erwinia phytoene desaturase gene not only confers multiple resistance to herbicides interfering with carotenoid biosynthesis but also alters xanthophyll metabolism in transgenic plants
- L5 ANSWER 58 OF 176 CAPLUS COPYRIGHT 2003 ACS DUPLICATE 16
- TI Functional expression of the Erwinia uredovora carotenoid biosynthesis gene crtI in transgenic plants showing an increase of .beta.-carotene biosynthesis activity and resistance to the bleaching herbicide norflurazon
- L5 ANSWER 59 OF 176 SCISEARCH COPYRIGHT 2003 ISI (R)DUPLICATE 17
- TI IMMUNOGOLD LOCALIZATION OF PHYTOENE DESATURASE IN HIGHER-PLANT CHLOROPLASTS
- L5 ANSWER 60 OF 176 DGENE (C) 2003 THOMSON DERWENT
- TI New nucleic acid encoding tobacco zeta-carotene desaturase, useful for screening compounds with herbicidal activity -
- L5 ANSWER 61 OF 176 DGENE (C) 2003 THOMSON DERWENT
- TI New nucleic acid encoding tobacco zeta-carotene desaturase, useful for screening compounds with herbicidal activity -
- L5 ANSWER 62 OF 176 DGENE (C) 2003 THOMSON DERWENT
- New nucleic acid encoding tobacco zeta-carotene desaturase, useful for screening compounds with herbicidal activity -
- L5 ANSWER 63 OF 176 DGENE (C) 2003 THOMSON DERWENT
- TI Producing plants, especially banana, cotton, maize, tomato or vine, resistant to herbicides -
- L5 ANSWER 64 OF 176 DGENE (C) 2003 THOMSON DERWENT
- TI DNA encoding tobacco phytoene synthase polypeptides useful for producing recombinant polypeptides or transgenic plants

- L5 ANSWER 65 OF 176 DGENE (C) 2003 THOMSON DERWENT
- TI DNA encoding tobacco phytoene synthase polypeptides useful for producing recombinant polypeptides or transgenic plants
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- DNA encoding tobacco phytoene synthase polypeptides useful for producing recombinant polypeptides or transgenic plants
- L5 ANSWER 67 OF 176 DGENE (C) 2003 THOMSON DERWENT
- TI DNA encoding tobacco phytoene synthase polypeptides useful for producing recombinant polypeptides or transgenic plants
- L5 ANSWER 68 OF 176 DGENE (C) 2003 THOMSON DERWENT
- TI DNA encoding Erwinia herbicola phytoene dehydrogenase-4H used for prodn. of lycopene, and to produce transgenic plants resistant to norflurazon
- L5 ANSWER 69 OF 176 DGENE (C) 2003 THOMSON DERWENT
- TI New nucleic acids encoding squalene synthetase used to alter the biosynthetic pathway of sterol(s) and isoprenoid(s) or in the in vitro production of such compounds
- L5 ANSWER 70 OF 176 DGENE (C) 2003 THOMSON DERWENT
- TI Transformed plants containing DNA encoding Erwinia herbicola enzymes esp. geranyl:geranyl pyrophosphate synthase and phytoene synthase, allows large scale production of phytoene
- L5 ANSWER 71 OF 176 DGENE (C) 2003 THOMSON DERWENT
- TI Transformed plants containing DNA encoding Erwinia herbicola enzymes esp. geranyl:geranyl pyrophosphate synthase and phytoene synthase, allows large scale production of phytoene
- L5 ANSWER 72 OF 176 DGENE (C) 2003 THOMSON DERWENT
- TI Transformed plants containing DNA encoding Erwinia herbicola enzymes esp. geranyl:geranyl pyrophosphate synthase and phytoene synthase, allows large scale production of phytoene
- L5 ANSWER 73 OF 176 DGENE (C) 2003 THOMSON DERWENT
- TI Increasing prodn. of total carotenoid(s) in a higher plant by transforming with vector encoding chloroplast transit peptide operably linked to the Erwinia herbicola lycopene cyclase structural gene
- L5 ANSWER 74 OF 176 DGENE (C) 2003 THOMSON DERWENT
- TI Increasing prodn. of total carotenoid(s) in a higher plant by transforming with vector encoding chloroplast transit peptide operably linked to the Erwinia herbicola lycopene cyclase structural gene
- L5 ANSWER 75 OF 176 DGENE (C) 2003 THOMSON DERWENT
- TI Increasing prodn. of total carotenoid(s) in a higher plant by transforming with vector encoding chloroplast transit peptide operably linked to the Erwinia herbicola lycopene cyclase structural gene
- L5 ANSWER 76 OF 176 DGENE (C) 2003 THOMSON DERWENT
- TI Increasing prodn. of total carotenoid(s) in a higher plant by transforming with vector encoding chloroplast transit peptide operably linked to the Erwinia herbicola lycopene cyclase structural gene
- L5 ANSWER 77 OF 176 DGENE (C) 2003 THOMSON DERWENT
- TI Increasing prodn. of total carotenoid(s) in a higher plant by transforming with vector encoding chloroplast transit peptide operably linked to the Erwinia herbicola lycopene cyclase structural gene

- L5 ANSWER 78 OF 176 DGENE (C) 2003 THOMSON DERWENT
- TI Increasing prodn. of total carotenoid(s) in a higher plant by transforming with vector encoding chloroplast transit peptide operably linked to the Erwinia herbicola lycopene cyclase structural gene
- L5 ANSWER 79 OF 176 DGENE (C) 2003 THOMSON DERWENT
- TI Increasing prodn. of total carotenoid(s) in a higher plant by transforming with vector encoding chloroplast transit peptide operably linked to the Erwinia herbicola lycopene cyclase structural gene
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- L5 ANSWER 95 OF 176 DGENE (C) 2003 THOMSON DERWENT
- TI New nucleic acid encoding tobacco zeta-carotene desaturase, useful for screening compounds with herbicidal activity -
- L5 ANSWER 96 OF 176 DGENE (C) 2003 THOMSON DERWENT
- TI New nucleic acid encoding tobacco zeta-carotene desaturase, useful for screening compounds with herbicidal activity -
- L5 ANSWER 97 OF 176 DGENE (C) 2003 THOMSON DERWENT
- TI New nucleic acid encoding tobacco zeta-carotene desaturase, useful for screening compounds with herbicidal activity -
- L5 ANSWER 98 OF 176 DGENE (C) 2003 THOMSON DERWENT
- TI New nucleic acid encoding tobacco zeta-carotene desaturase, useful for screening compounds with herbicidal activity -
- L5 ANSWER 99 OF 176 DGENE (C) 2003 THOMSON DERWENT
- TI New nucleic acid encoding tobacco zeta-carotene desaturase, useful for screening compounds with herbicidal activity -
- L5 ANSWER 100 OF 176 DGENE (C) 2003 THOMSON DERWENT
- TI New nucleic acid encoding tobacco zeta-carotene desaturase, useful for screening compounds with herbicidal activity -
- L5 ANSWER 101 OF 176 DGENE (C) 2003 THOMSON DERWENT
- TI New nucleic acid encoding tobacco zeta-carotene desaturase, useful for screening compounds with herbicidal activity -
- L5 ANSWER 102 OF 176 DGENE (C) 2003 THOMSON DERWENT
- TI New nucleic acid encoding tobacco zeta-carotene desaturase, useful for screening compounds with herbicidal activity -
- L5 ANSWER 103 OF 176 DGENE (C) 2003 THOMSON DERWENT
- TI New nucleic acid encoding tobacco zeta-carotene desaturase, useful for screening compounds with herbicidal activity -
- L5 ANSWER 104 OF 176 DGENE (C) 2003 THOMSON DERWENT
- TI New nucleic acid encoding tobacco zeta-carotene desaturase, useful for screening compounds with herbicidal activity -
- L5 ANSWER 105 OF 176 DGENE (C) 2003 THOMSON DERWENT
- TI New nucleic acid encoding tobacco zeta-carotene desaturase, useful for screening compounds with herbicidal activity -
- L5 ANSWER 106 OF 176 DGENE (C) 2003 THOMSON DERWENT
- TI New nucleic acid encoding tobacco zeta-carotene desaturase, useful for screening compounds with herbicidal activity -
- L5 ANSWER 107 OF 176 DGENE (C) 2003 THOMSON DERWENT
- TI New nucleic acid encoding tobacco zeta-carotene desaturase, useful for screening compounds with herbicidal activity -
- L5 ANSWER 108 OF 176 DGENE (C) 2003 THOMSON DERWENT

- TI New nucleic acid encoding tobacco zeta-carotene desaturase, useful for screening compounds with herbicidal activity -
- L5 ANSWER 109 OF 176 DGENE (C) 2003 THOMSON DERWENT
- TI New nucleic acid encoding tobacco zeta-carotene desaturase, useful for screening compounds with herbicidal activity -
- L5 ANSWER 110 OF 176 DGENE (C) 2003 THOMSON DERWENT
- TI New nucleic acid encoding tobacco zeta-carotene desaturase, useful for screening compounds with herbicidal activity -
- L5 ANSWER 111 OF 176 DGENE (C) 2003 THOMSON DERWENT
- TI New nucleic acid encoding tobacco zeta-carotene desaturase, useful for screening compounds with herbicidal activity -
- L5 ANSWER 112 OF 176 DGENE (C) 2003 THOMSON DERWENT
- TI New nucleic acid encoding tobacco zeta-carotene desaturase, useful for screening compounds with herbicidal activity -
- L5 ANSWER 113 OF 176 DGENE (C) 2003 THOMSON DERWENT
- TI New nucleic acid encoding tobacco zeta-carotene desaturase, useful for screening compounds with herbicidal activity -
- L5 ANSWER 114 OF 176 DGENE (C) 2003 THOMSON DERWENT
- TI New nucleic acid encoding tobacco zeta-carotene desaturase, useful for screening compounds with herbicidal activity -
- L5 ANSWER 115 OF 176 DGENE (C) 2003 THOMSON DERWENT
- TI New nucleic acid encoding tobacco zeta-carotene desaturase, useful for screening compounds with herbicidal activity -
- L5 ANSWER 116 OF 176 DGENE (C) 2003 THOMSON DERWENT
- TI New nucleic acid encoding tobacco zeta-carotene desaturase, useful for screening compounds with herbicidal activity -
- L5 ANSWER 117 OF 176 DGENE (C) 2003 THOMSON DERWENT
- TI Identifying and isolating genes involved in determining the trait or phenotype of plant species, by infecting plants with gene silencing constructs targeted to the gene, and identifying plants with altered traits -
- L5 ANSWER 118 OF 176 DGENE (C) 2003 THOMSON DERWENT
- TI Determining the function of polynucleotide sequences and their encoded proteins by transfecting them into a host organism
- L5 ANSWER 119 OF 176 DGENE (C) 2003 THOMSON DERWENT
- TI Determining the function of polynucleotide sequences and their encoded proteins by transfecting them into a host organism
- L5 ANSWER 120 OF 176 DGENE (C) 2003 THOMSON DERWENT
- TI Determining the function of polynucleotide sequences and their encoded proteins by transfecting them into a host organism
- L5 ANSWER 121 OF 176 DGENE (C) 2003 THOMSON DERWENT
- TI Determining the function of polynucleotide sequences and their encoded proteins by transfecting them into a host organism
- L5 ANSWER 122 OF 176 DGENE (C) 2003 THOMSON DERWENT
- TI Determining the function of polynucleotide sequences and their encoded proteins by transfecting them into a host organism
- L5 ANSWER 123 OF 176 DGENE (C) 2003 THOMSON DERWENT
- TI Determining the function of polynucleotide sequences and their encoded proteins by transfecting them into a host organism

- L5 ANSWER 124 OF 176 DGENE (C) 2003 THOMSON DERWENT
- TI Determining the function of polynucleotide sequences and their encoded proteins by transfecting them into a host organism
- L5 ANSWER 125 OF 176 DGENE (C) 2003 THOMSON DERWENT
- TI Determining the function of polynucleotide sequences and their encoded proteins by transfecting them into a host organism
- L5 ANSWER 126 OF 176 DGENE (C) 2003 THOMSON DERWENT
- TI Determining the function of polynucleotide sequences and their encoded proteins by transfecting them into a host organism
- L5 ANSWER 127 OF 176 DGENE (C) 2003 THOMSON DERWENT
- TI Determining the function of polynucleotide sequences and their encoded proteins by transfecting them into a host organism
- L5 ANSWER 128 OF 176 DGENE (C) 2003 THOMSON DERWENT
- TI Determining the function of polynucleotide sequences and their encoded proteins by transfecting them into a host organism
- L5 ANSWER 129 OF 176 DGENE (C) 2003 THOMSON DERWENT
- TI Determining the function of polynucleotide sequences and their encoded proteins by transfecting them into a host organism
- L5 ANSWER 130 OF 176 DGENE (C) 2003 THOMSON DERWENT
- TI Producing plants, especially banana, cotton, maize, tomato or vine, resistant to herbicides -
- L5 ANSWER 131 OF 176 DGENE (C) 2003 THOMSON DERWENT
- TI DNA encoding tobacco phytoene synthase polypeptides useful for producing recombinant polypeptides or transgenic plants
- L5 ANSWER 132 OF 176 DGENE (C) 2003 THOMSON DERWENT
- TI DNA encoding tobacco phytoene synthase polypeptides useful for producing recombinant polypeptides or transgenic plants
- L5 ANSWER 133 OF 176 DGENE (C) 2003 THOMSON DERWENT
- TI DNA encoding tobacco phytoene synthase polypeptides useful for producing recombinant polypeptides or transgenic plants
- L5 ANSWER 134 OF 176 DGENE (C) 2003 THOMSON DERWENT
- TI DNA encoding tobacco phytoene synthase polypeptides useful for producing recombinant polypeptides or transgenic plants
- L5 ANSWER 135 OF 176 DGENE (C) 2003 THOMSON DERWENT
- TI DNA encoding tobacco phytoene synthase polypeptides useful for producing recombinant polypeptides or transgenic plants
- L5 ANSWER 136 OF 176 DGENE (C) 2003 THOMSON DERWENT
- TI DNA encoding tobacco phytoene synthase polypeptides useful for producing recombinant polypeptides or transgenic plants
- L5 ANSWER 137 OF 176 DGENE (C) 2003 THOMSON DERWENT
- DNA encoding tobacco phytoene synthase polypeptides useful for producing recombinant polypeptides or transgenic plants
- L5 ANSWER 138 OF 176 DGENE (C) 2003 THOMSON DERWENT
- TI DNA encoding tobacco phytoene synthase

polypeptides - useful for producing recombinant polypeptides or transgenic plants

- L5 ANSWER 139 OF 176 DGENE (C) 2003 THOMSON DERWENT
- TI DNA encoding tobacco phytoene synthase polypeptides useful for producing recombinant polypeptides or transgenic plants
- L5 ANSWER 140 OF 176 DGENE (C) 2003 THOMSON DERWENT
- TI DNA encoding tobacco phytoene synthase
  polypeptides useful for producing recombinant polypeptides or
  transgenic plants
- L5 ANSWER 141 OF 176 DGENE (C) 2003 THOMSON DERWENT
- TI DNA encoding tobacco phytoene synthase polypeptides useful for producing recombinant polypeptides or transgenic plants
- L5 ANSWER 142 OF 176 DGENE (C) 2003 THOMSON DERWENT
- TI DNA encoding tobacco phytoene synthase polypeptides useful for producing recombinant polypeptides or transgenic plants
- L5 ANSWER 143 OF 176 DGENE (C) 2003 THOMSON DERWENT
- TI DNA encoding tobacco phytoene synthase polypeptides useful for producing recombinant polypeptides or transgenic plants
- L5 ANSWER 144 OF 176 DGENE (C) 2003 THOMSON DERWENT
- TI DNA encoding tobacco phytoene synthase polypeptides useful for producing recombinant polypeptides or transgenic plants
- L5 ANSWER 145 OF 176 DGENE (C) 2003 THOMSON DERWENT
- TI DNA encoding tobacco phytoene synthase polypeptides useful for producing recombinant polypeptides or transgenic plants
- L5 ANSWER 146 OF 176 DGENE (C) 2003 THOMSON DERWENT
- TI DNA encoding Erwinia herbicola phytoene dehydrogenase-4H used for prodn. of lycopene, and to produce transgenic plants resistant to norflurazon
- L5 ANSWER 147 OF 176 DGENE (C) 2003 THOMSON DERWENT
- TI DNA encoding Erwinia herbicola phytoene dehydrogenase-4H used for prodn. of lycopene, and to produce transgenic plants resistant to norflurazon
- L5 ANSWER 148 OF 176 DGENE (C) 2003 THOMSON DERWENT
- TI DNA encoding Erwinia herbicola phytoene dehydrogenase-4H used for prodn. of lycopene, and to produce transgenic plants resistant to norflurazon
- L5 ANSWER 149 OF 176 DGENE (C) 2003 THOMSON DERWENT
- TI DNA encoding Erwinia herbicola phytoene dehydrogenase-4H used for prodn. of lycopene, and to produce transgenic plants resistant to norflurazon
- L5 ANSWER 150 OF 176 DGENE (C) 2003 THOMSON DERWENT
- TI DNA encoding Erwinia herbicola phytoene dehydrogenase-4H used for prodn. of lycopene, and to produce transgenic plants resistant to norflurazon
- L5 ANSWER 151 OF 176 DGENE (C) 2003 THOMSON DERWENT
- TI New nucleic acids encoding squalene synthetase used to alter the

biosynthetic pathway of sterol(s) and isoprenoid(s) or in the in vitro production of such compounds

- L5 ANSWER 152 OF 176 DGENE (C) 2003 THOMSON DERWENT
- TI New nucleic acids encoding squalene synthetase used to alter the biosynthetic pathway of sterol(s) and isoprenoid(s) or in the in vitro production of such compounds
- L5 ANSWER 153 OF 176 DGENE (C) 2003 THOMSON DERWENT
- TI New nucleic acids encoding squalene synthetase used to alter the biosynthetic pathway of sterol(s) and isoprenoid(s) or in the in vitro production of such compounds
- L5 ANSWER 154 OF 176 DGENE (C) 2003 THOMSON DERWENT
- TI New nucleic acids encoding squalene synthetase used to alter the biosynthetic pathway of sterol(s) and isoprenoid(s) or in the in vitro production of such compounds
- L5 ANSWER 155 OF 176 DGENE (C) 2003 THOMSON DERWENT
- TI New nucleic acids encoding squalene synthetase used to alter the biosynthetic pathway of sterol(s) and isoprenoid(s) or in the in vitro production of such compounds
- L5 ANSWER 156 OF 176 DGENE (C) 2003 THOMSON DERWENT
- TI New nucleic acids encoding squalene synthetase used to alter the biosynthetic pathway of sterol(s) and isoprenoid(s) or in the in vitro production of such compounds
- L5 ANSWER 157 OF 176 DGENE (C) 2003 THOMSON DERWENT
- New nucleic acids encoding squalene synthetase used to alter the biosynthetic pathway of sterol(s) and isoprenoid(s) or in the in vitro production of such compounds
- L5 ANSWER 158 OF 176 DGENE (C) 2003 THOMSON DERWENT
- TI New nucleic acids encoding squalene synthetase used to alter the biosynthetic pathway of sterol(s) and isoprenoid(s) or in the in vitro production of such compounds
- L5 ANSWER 159 OF 176 DGENE (C) 2003 THOMSON DERWENT
- TI New nucleic acids encoding squalene synthetase used to alter the biosynthetic pathway of sterol(s) and isoprenoid(s) or in the in vitro production of such compounds
- L5 ANSWER 160 OF 176 DGENE (C) 2003 THOMSON DERWENT
- TI New nucleic acids encoding squalene synthetase used to alter the biosynthetic pathway of sterol(s) and isoprenoid(s) or in the in vitro production of such compounds
- L5 ANSWER 161 OF 176 DGENE (C) 2003 THOMSON DERWENT
- TI New nucleic acids encoding squalene synthetase used to alter the biosynthetic pathway of sterol(s) and isoprenoid(s) or in the in vitro production of such compounds
- L5 ANSWER 162 OF 176 DGENE (C) 2003 THOMSON DERWENT
- TI New nucleic acids encoding squalene synthetase used to alter the biosynthetic pathway of sterol(s) and isoprenoid(s) or in the in vitro production of such compounds
- L5 ANSWER 163 OF 176 DGENE (C) 2003 THOMSON DERWENT
- TI Transformed plants containing DNA encoding Erwinia herbicola enzymes esp. geranyl:geranyl pyrophosphate synthase and phytoene synthase, allows large scale production of phytoene
- L5 ANSWER 164 OF 176 DGENE (C) 2003 THOMSON DERWENT
- TI Transformed plants containing DNA encoding Erwinia herbicola enzymes -

esp. geranyl:geranyl pyrophosphate synthase and phytoene synthase, allows large scale production of phytoene

- L5 ANSWER 165 OF 176 DGENE (C) 2003 THOMSON DERWENT
- TI Transformed plants containing DNA encoding Erwinia herbicola enzymes esp. geranyl:geranyl pyrophosphate synthase and phytoene synthase, allows large scale production of phytoene
- L5 ANSWER 166 OF 176 DGENE (C) 2003 THOMSON DERWENT
- TI Transformed plants containing DNA encoding Erwinia herbicola enzymes esp. geranyl:geranyl pyrophosphate synthase and phytoene synthase, allows large scale production of phytoene
- L5 ANSWER 167 OF 176 DGENE (C) 2003 THOMSON DERWENT
- TI Increasing prodn. of total carotenoid(s) in a higher plant by transforming with vector encoding chloroplast transit peptide operably linked to the Erwinia herbicola lycopene cyclase structural gene
- L5 ANSWER 168 OF 176 DGENE (C) 2003 THOMSON DERWENT
- TI Increasing prodn. of total carotenoid(s) in a higher plant by transforming with vector encoding chloroplast transit peptide operably linked to the Erwinia herbicola lycopene cyclase structural gene
- L5 ANSWER 169 OF 176 DGENE (C) 2003 THOMSON DERWENT
- TI Increasing prodn. of total carotenoid(s) in a higher plant by transforming with vector encoding chloroplast transit peptide operably linked to the Erwinia herbicola lycopene cyclase structural gene
- L5 ANSWER 170 OF 176 DGENE (C) 2003 THOMSON DERWENT
- TI Increasing prodm. of total carotenoid(s) in a higher plant by transforming with vector encoding chloroplast transit peptide operably linked to the Erwinia herbicola lycopene cyclase structural gene
- L5 ANSWER 171 OF 176 DGENE (C) 2003 THOMSON DERWENT
- TI Increasing prodn. of total carotenoid(s) in a higher plant by transforming with vector encoding chloroplast transit peptide operably linked to the Erwinia herbicola lycopene cyclase structural gene
- L5 ANSWER 172 OF 176 DGENE (C) 2003 THOMSON DERWENT
- TI Increasing prodn. of total carotenoid(s) in a higher plant by transforming with vector encoding chloroplast transit peptide operably linked to the Erwinia herbicola lycopene cyclase structural gene
- L5 ANSWER 173 OF 176 DGENE (C) 2003 THOMSON DERWENT
- TI Increasing prodn. of total carotenoid(s) in a higher plant by transforming with vector encoding chloroplast transit peptide operably linked to the Erwinia herbicola lycopene cyclase structural gene
- L5 ANSWER 174 OF 176 DGENE (C) 2003 THOMSON DERWENT
- TI Increasing prodn. of total carotenoid(s) in a higher plant by transforming with vector encoding chloroplast transit peptide operably linked to the Erwinia herbicola lycopene cyclase structural gene
- L5 ANSWER 175 OF 176 DGENE (C) 2003 THOMSON DERWENT
- TI Biosynthesis of carotenoid(s) in genetically engineered hosts using DNA encoding enzymes from Erwinia herbicola
- L5 ANSWER 176 OF 176 GENBANK.RTM. COPYRIGHT 2003

TITLE (TI): Direct Submission

=> s l5 (s) (gene? or clon? or recombin? or isolat?)
PROXIMITY OPERATOR LEVEL NOT CONSISTENT WITH
FIELD CODE - 'AND' OPERATOR ASSUMED 'L55 (S) '

<---->

#### SEARCH ENDED BY USER

#### => d his

(FILE 'HOME' ENTERED AT 11:38:27 ON 24 APR 2003)

INDEX 'ADISCTI, ADISINSIGHT, ADISNEWS, AGRICOLA, ANABSTR, AQUASCI, BIOBUSINESS, BIOCOMMERCE, BIOSIS, BIOTECHABS, BIOTECHDS, BIOTECHNO, CABA, CANCERLIT, CAPLUS, CEABA-VTB, CEN, CIN, CONFSCI, CROPB, CROPU, DDFB, DDFU, DGENE, DRUGB, DRUGLAUNCH, DRUGMONOG2, ...' ENTERED AT 11:38:40 ON 24 APR 2003

#### SEA PHYTOE? AND SYNTH?

- 9 FILE ADISCTI
- 1 FILE ADISNEWS
- 144 FILE AGRICOLA

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- 2 FILE ANABSTR
- 19 FILE AQUASCI
- 23 FILE BIOBUSINESS
  - 1 FILE BIOCOMMERCE
- 514 FILE BIOSIS
- 69 FILE BIOTECHABS
- 69 FILE BIOTECHDS
- 195 FILE BIOTECHNO
- 249 FILE CABA
- 72 FILE CANCERLIT
- 842 FILE CAPLUS
- 14 FILE CEABA-VTB
  - 4 FILE CEN
  - 2 FILE CIN
  - 2 FILE CONFSCI
  - 4 FILE CROPB
- 44 FILE CROPU
- 5 FILE DDFB
- 32 FILE DDFU
- 466 FILE DGENE
  - 5 FILE DRUGB
- 48 FILE DRUGU 9 FILE EMBAL
- 345 FILE EMBASE
- 255 FILE ESBIOBASE
- 24 FILE FEDRIP
- 58 FILE FROSTI
- 66 FILE FSTA
- 220 FILE GENBANK
  - 1 FILE HEALSAFE
- 56 FILE IFIPAT
- 30 FILE JICST-EPLUS
- 1 FILE KOSMET
- 160 FILE LIFESCI
- 352 FILE MEDLINE
  - 2 FILE NIOSHTIC
  - 6 FILE NUTRACEUT
  - 2 FILE OCEAN
- 318 FILE PASCAL
  - 2 FILE PHIN
- 53 FILE PROMT
- 533 FILE SCISEARCH
- 356 FILE TOXCENTER
- 492 FILE USPATFULL 14 FILE USPAT2
- 79 FILE WPIDS
- 79 FILE WPINDEX

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FILE IPA
3
    FILE NAPRALERT
11
    FILE NLDB
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OUE PHYTOE? AND SYNTH? L1

> FILE 'CAPLUS, SCISEARCH, BIOSIS, USPATFULL, DGENE, TOXCENTER, MEDLINE, EMBASE, PASCAL, ESBIOBASE, CABA, GENBANK, BIOTECHNO, LIFESCI, AGRICOLA' ENTERED AT 11:40:17 ON 24 APR 2003

4956 S PHYTOE? (S) (SYNTH? OR DESATUR?) L21519 S L2 (S) PLANT? L3L4

267 S L3 (S) (TOBACC? OR NICOTIAN?)

176 DUP REM L4 (91 DUPLICATES REMOVED) L5

=> s l4 (s) (gene? or recombin? or isolat? or clon?)

3 FILES SEARCHED... 5 FILES SEARCHED...

7 FILES SEARCHED... 9 FILES SEARCHED...

10 FILES SEARCHED... 12 FILES SEARCHED...

14 FILES SEARCHED...

243 L4 (S) (GENE? OR RECOMBIN? OR ISOLAT? OR CLON?)

=> dup rem 16

DUPLICATE IS NOT AVAILABLE IN 'DGENE, GENBANK'. ANSWERS FROM THESE FILES WILL BE CONSIDERED UNIQUE PROCESSING COMPLETED FOR L6

L7 167 DUP REM L6 (76 DUPLICATES REMOVED)

=> s 17 and 15

167 L7 AND L5

=> d his

(FILE 'HOME' ENTERED AT 11:38:27 ON 24 APR 2003)

INDEX 'ADISCTI, ADISINSIGHT, ADISNEWS, AGRICOLA, ANABSTR, AQUASCI, BIOBUSINESS, BIOCOMMERCE, BIOSIS, BIOTECHABS, BIOTECHDS, BIOTECHNO, CABA, CANCERLIT, CAPLUS, CEABA-VTB, CEN, CIN, CONFSCI, CROPB, CROPU, DDFB, DDFU, DGENE, DRUGB, DRUGLAUNCH, DRUGMONOG2, ... 'ENTERED AT 11:38:40 ON 24 APR 2003

SEA PHYTOE? AND SYNTH?

9 FILE ADISCTI

FILE ADISNEWS 1

144 FILE AGRICOLA

2 FILE ANABSTR

19 FILE AQUASCI

FILE BIOBUSINESS 23

FILE BIOCOMMERCE 1

514 FILE BIOSIS

69 FILE BIOTECHABS

69 FILE BIOTECHDS

195 FILE BIOTECHNO

249 FILE CABA

FILE CANCERLIT 72

842 FILE CAPLUS

FILE CEABA-VTB 14

FILE CEN

2 FILE CIN

2 FILE CONFSCI

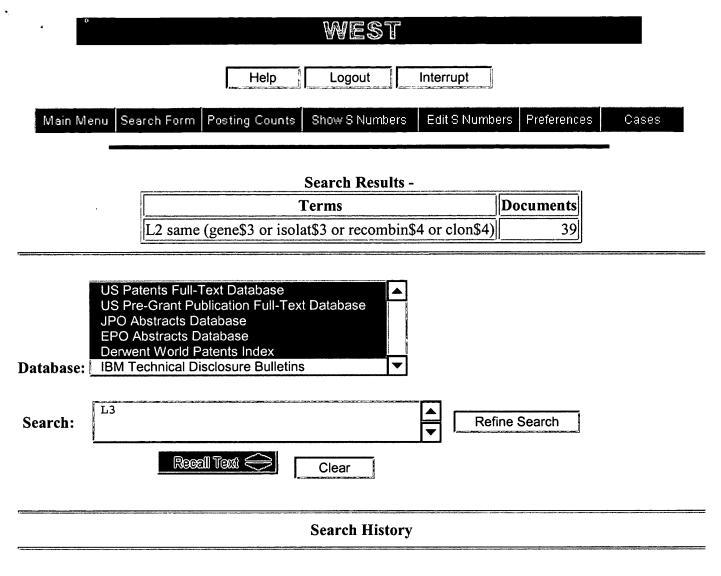
4 FILE CROPB

44 FILE CROPU

FILE DDFB 5

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32
                   FILE DDFU
                   FILE DGENE
             466
                   FILE DRUGB
              5
                   FILE DRUGU
              48
                   FILE EMBAL
               9
                   FILE EMBASE
             345
             255
                   FILE ESBIOBASE
                   FILE FEDRIP
              24
                   FILE FROSTI
              58
                   FILE FSTA
              66
                   FILE GENBANK
             220
                   FILE HEALSAFE
               1
              56
                   FILE IFIPAT
              30
                   FILE JICST-EPLUS
                   FILE KOSMET
               1
                   FILE LIFESCI
             160
                   FILE MEDLINE
             352
                   FILE NIOSHTIC
               2
                   FILE NUTRACEUT
               6
                   FILE OCEAN
               2
                   FILE PASCAL
             318
                   FILE PHIN
               2
                   FILE PROMT
              53
             533
                   FILE SCISEARCH
                   FILE TOXCENTER
             356
                   FILE USPATFULL
             492
                   FILE USPAT2
              14
                   FILE WPIDS
              79
              79
                   FILE WPINDEX
               3
                   FILE IPA
              11
                   FILE NAPRALERT
                   FILE NLDB
L1
                QUE PHYTOE? AND SYNTH?
     FILE 'CAPLUS, SCISEARCH, BIOSIS, USPATFULL, DGENE, TOXCENTER, MEDLINE,
     EMBASE, PASCAL, ESBIOBASE, CABA, GENBANK, BIOTECHNO, LIFESCI, AGRICOLA'
     ENTERED AT 11:40:17 ON 24 APR 2003
           4956 S PHYTOE? (S) (SYNTH? OR DESATUR?)
L2
L3
           1519 S L2 (S) PLANT?
L4
            267 S L3 (S) (TOBACC? OR NICOTIAN?)
L5
            176 DUP REM L4 (91 DUPLICATES REMOVED)
L6
            243 S L4 (S) (GENE? OR RECOMBIN? OR ISOLAT? OR CLON?)
L7
            167 DUP REM L6 (76 DUPLICATES REMOVED)
L8
            167 S L7 AND L5
=> log h
COST IN U.S. DOLLARS
                                                  SINCE FILE
                                                                   TOTAL
                                                       ENTRY
                                                                SESSION
FULL ESTIMATED COST
                                                       67.19
                                                                   69.05
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SESSION WILL BE HELD FOR 60 MINUTES
STN INTERNATIONAL SESSION SUSPENDED AT 11:56:29 ON 24 APR 2003



DATE: Thursday, April 24, 2003 Printable Copy Create Case

Set Name		Hit Count	Set Name result set
DB=US	SPT,PGPB,JPAB,EPAB,DWPI; PLUR=YES; OP=OR	•	
<u>L3</u>	L2 same (gene\$3 or isolat\$3 or recombin\$4 or clon\$4)	39	<u>L3</u>
<u>L2</u>	L1 same (tobacc\$4 or nicotia\$4)	42	<u>L2</u>
<u>L1</u>	phytoe\$3 same (syntha\$3 or desaturas\$3)	240	<u>L1</u>

END OF SEARCH HISTORY

# WEST

Generate Collection

Print

# Search Results - Record(s) 1 through 10 of 39 returned.

1. Document ID: US 20030077619 A1

L3: Entry 1 of 39

File: PGPB

Apr 24, 2003

PGPUB-DOCUMENT-NUMBER: 20030077619

PGPUB-FILING-TYPE: new

DOCUMENT-IDENTIFIER: US 20030077619 A1

TITLE: Method of isolating human cDNAs by transfecting a nucleic acid sequence of a non-plant donor into a host plant in an anti-sense orientation

PUBLICATION-DATE: April 24, 2003

INVENTOR-INFORMATION:

NAME CITY STATE COUNTRY RULE-47 Kumagai, Monto H. Davis CA US Vacaville US della-Cioppa, Guy R. CA Erwin, Robert L. Vacaville CA US McGee, David R. Vacaville CA US

US-CL-CURRENT: 435/6; 800/288

Full	Titles	Citation	Frant	Passiana	Classification	Dista	Reference	Sequences	Attachments	Claims	k508C	Draw Desc
FUII	mile	Citation	/ TOTAL	125 Alega	Classification	Vale	Meletelloe	ocqueriees	Attachments	Claims	120010	DIAWK DESC
lmage												

1 2. Document ID: US 20030064392 A1

L3: Entry 2 of 39

File: PGPB

Apr 3, 2003

PGPUB-DOCUMENT-NUMBER: 20030064392

PGPUB-FILING-TYPE: new

DOCUMENT-IDENTIFIER: US 20030064392 A1

TITLE: Method of humanizing plant cDNAs by transfecting a nucleic acid sequence of a non-plant donor into a host plant in an anti-sense orientation

PUBLICATION-DATE: April 3, 2003

INVENTOR-INFORMATION:

NAME CITY STATE COUNTRY RULE-47 Kumagai, Monto H. Davis CA US Vacaville US della-Cioppa, Guy R. CA Erwin, Robert L. Vacaville CA US McGee, David R. Vacaville CA US

US-CL-CURRENT: 435/6; 800/288

Full Title Citation Front Review Classification Date Reference Sequences Attachments Claims KWIC Draw. Desc Image

### 3. Document ID: US 20030041357 A1

L3: Entry 3 of 39

File: PGPB

Feb 27, 2003

PGPUB-DOCUMENT-NUMBER: 20030041357

PGPUB-FILING-TYPE: new

DOCUMENT-IDENTIFIER: US 20030041357 A1

TITLE: Herbicide resistant plants

PUBLICATION-DATE: February 27, 2003

INVENTOR - INFORMATION:

NAME CITY STATE COUNTRY RULE-47 Bracknell GB Jepson, Ian Thomas, Paul Graham GB Bracknell GB Thompson, Paul Anthony Bracknell Bracknell GB Hawkes, Timothy Robert Knight, Mary Elizabeth Norwich GB

US-CL-CURRENT: 800/300; 435/320.1, 536/23.7, 800/278

Full Title Citation Front Review Classification Date Reference Sequences Attachments KWIC Draw. Desc Image

### 4. Document ID: US 20030041355 A1

L3: Entry 4 of 39

File: PGPB

Feb 27, 2003

PGPUB-DOCUMENT-NUMBER: 20030041355

PGPUB-FILING-TYPE: new

DOCUMENT-IDENTIFIER: US 20030041355 A1

TITLE: Method of humanizing plant cDNA

PUBLICATION-DATE: February 27, 2003

INVENTOR-INFORMATION:

NAME CITY STATE COUNTRY RULE-47 Kumagai, Monto H. Davis CA US US della-Cioppa, Guy R. Vacaville CA Erwin, Robert L. Vacaville CA US McGee, David R. Vacaville US CA

US-CL-CURRENT: 800/288; 435/6

Full Title Citation Front Review Classification Date Reference Sequences Attachments KWIC Draw. Desc Image 5. Document ID: US 20030033636 A1

L3: Entry 5 of 39

File: PGPB Feb 13, 2003

PGPUB-DOCUMENT-NUMBER: 20030033636

PGPUB-FILING-TYPE: new

DOCUMENT-IDENTIFIER: US 20030033636 A1

TITLE: Expression of eukaryotic peptides in plant plastids

PUBLICATION-DATE: February 13, 2003

INVENTOR-INFORMATION:

NAME CITY STATE COUNTRY RULE-47

Staub, Jeffrey M. Chesterfield MO US

US-CL-CURRENT: 800/288; 435/320.1, 435/419, 435/468, 435/69.1

	Full	Title	Citation	Front	Review	Classification	Date	Reference	Sequences	Attachments	Ю	MC Drawi D	esc.
İ	Image												
		1											

### (iii) 6. Document ID: US 20030028926 A1

L3: Entry 6 of 39 File: PGPB Feb 6, 2003

PGPUB-DOCUMENT-NUMBER: 20030028926

PGPUB-FILING-TYPE: new

DOCUMENT-IDENTIFIER: US 20030028926 A1

TITLE: Method of isolating human cDNA

PUBLICATION-DATE: February 6, 2003

INVENTOR-INFORMATION:

NAME CITY RULE-47 STATE COUNTRY Kumagai, Monto H. Davis CA US della-Cioppa, Guy R. Vacaville CA US Erwin, Robert L. Vacaville CA US McGee, David R. Vacaville CA US

US-CL-CURRENT: 800/288; 435/6

nage

## 7. Document ID: US 20030027183 A1

L3: Entry 7 of 39 File: PGPB Feb 6, 2003

PGPUB-DOCUMENT-NUMBER: 20030027183

PGPUB-FILING-TYPE: new

DOCUMENT-IDENTIFIER: US 20030027183 A1

TITLE: Method of identifying a nucleic acid sequence in a plant

PUBLICATION-DATE: February 6, 2003

INVENTOR-INFORMATION:

STATE COUNTRY RULE-47 CITY NAME Davis CA US Kumagai, Monto H. US Vacaville CAdella-Cioppa, Guy R. Vacaville CA US Erwin, Robert L. McGee, David R. Vacaville CA US

US-CL-CURRENT: 435/6; 800/278, 800/280

Full	Title	Citation	Front	Review	Classification	Date	Reference	Sequences	Attachments	KWMC   Drawn Desc
Image										

### 8. Document ID: US 20030027182 A1

L3: Entry 8 of 39

File: PGPB

Feb 6, 2003

PGPUB-DOCUMENT-NUMBER: 20030027182

PGPUB-FILING-TYPE: new

DOCUMENT-IDENTIFIER: US 20030027182 A1

TITLE: Method of determining the presence of a trait in a plant by transfecting a nucleic acid sequence of a donor plant into a different host plant in an anti-sense orientation

PUBLICATION-DATE: February 6, 2003

INVENTOR-INFORMATION:

STATE RULE-47 NAME CITY COUNTRY Kumagai, Monto H. Davis US CA Della-Cioppa, Guy R. Vacaville CA US Erwin, Robert L. Vacaville CA US McGee, David R. Vacaville US CA

US-CL-CURRENT: 435/6; 800/288

Image	Full	Title	Citation	Front	Review	Classification	Date	Reference	Sequences	Attachments	KWMC   Draww Des
	Image										

#### 9. Document ID: US 20030027173 A1

L3: Entry 9 of 39

File: PGPB

Feb 6, 2003

PGPUB-DOCUMENT-NUMBER: 20030027173

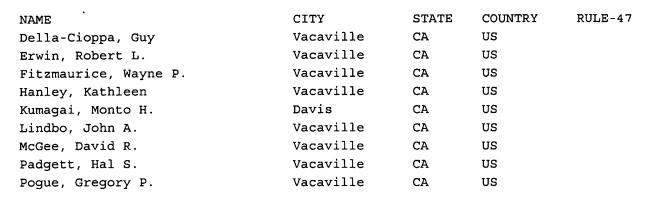
PGPUB-FILING-TYPE: new

DOCUMENT-IDENTIFIER: US 20030027173 A1

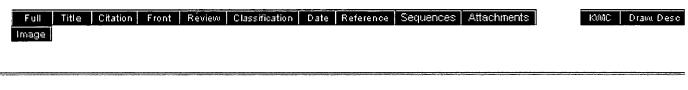
TITLE: Method of determining the function of nucleotide sequences and the proteins they encode by transfecting the same into a host

PUBLICATION-DATE: February 6, 2003

INVENTOR - INFORMATION:



US-CL-CURRENT: 435/6; 800/278



10. Document ID: US 20030024008 A1

L3: Entry 10 of 39

File: PGPB

Jan 30, 2003

PGPUB-DOCUMENT-NUMBER: 20030024008

PGPUB-FILING-TYPE: new

DOCUMENT-IDENTIFIER: US 20030024008 A1

TITLE: Method of increasing grain crop

PUBLICATION-DATE: January 30, 2003

INVENTOR-INFORMATION:

NAME CITY STATE COUNTRY RULE-47 Kumagai, Monto H. Davis CA US Della-Cioppa, Guy R. Vacaville CA US Erwin, Robert L. Vacaville US CA McGee, David R. Vacaville CA US

US-CL-CURRENT: 800/278; 800/320.2

Full Title Citation Front Review Classification Date Reference Sequences Attachm	ents   KMMC   Drawn Desc
Generate Collection Print	
Terms	Documents
L2 same (gene\$3 or isolat\$3 or recombin\$4 or clon\$4)	39

Display Format: - Change Format

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**Generate Collection** 

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Search Results - Record(s) 11 through 20 of 39 returned.

11. Document ID: US 20020182626 A1

L3: Entry 11 of 39

File: PGPB

Dec 5, 2002

PGPUB-DOCUMENT-NUMBER: 20020182626

PGPUB-FILING-TYPE: new

DOCUMENT-IDENTIFIER: US 20020182626 A1

TITLE: Episomal non-transforming nucleic acid elements in functional genomic and

antigenic applications

PUBLICATION-DATE: December 5, 2002

INVENTOR-INFORMATION:

NAME

CITY

STATE

COUNTRY

RULE-47

Tuse, Daniel

Vacaville

CA

US

US-CL-CURRENT: 435/6; 435/455, 435/7.1

Full	Title	Citation	Front	Review	Classification	Date	Reference	Sequences	Attachments
Image		-							

KWMC | Draw, Desc

12. Document ID: US 20020165370 A1

L3: Entry 12 of 39

File: PGPB

Nov 7, 2002

RULE-47

PGPUB-DOCUMENT-NUMBER: 20020165370

PGPUB-FILING-TYPE: new

DOCUMENT-IDENTIFIER: US 20020165370 A1

TITLE: Cytoplasmic gene inhibition or gene expression in transfected plants by a

tobraviral vector

PUBLICATION-DATE: November 7, 2002

INVENTOR - INFORMATION:

NAME CITY STATE COUNTRY Benicia

Roberts, Peter D.

Vacaville

CA US

Vaewhongs, Andy A. Kumagai, Monto H.

Honolulu

CA US HIUS

US-CL-CURRENT: 536/23.1

Title Citation Front Review Classification Date Reference Sequences Attachments Image

KWMC Draw. Desc

1 of 5

13. Document ID: US 20020157131 A1

L3: Entry 13 of 39

File: PGPB

Oct 24, 2002

RIII.E-47

PGPUB-DOCUMENT-NUMBER: 20020157131

PGPUB-FILING-TYPE: new

DOCUMENT-IDENTIFIER: US 20020157131 A1

TITLE: Cytoplasmic inhibition of gene expression and expression of a foreign protein

in a monocot plant by a plant viral vector

PUBLICATION-DATE: October 24, 2002

INVENTOR-INFORMATION:

NAME CITY

> Fairfield CA US

STATE

COUNTRY

Holzberg, Steven P. Pogue, Gregory P. Vacaville CA US

US-CL-CURRENT: 800/278; 435/235.1, 435/468, 435/69.1, 536/23.4, 536/23.72, 800/286,

800/288

Title Citation Front Review Classification Date Reference Sequences Attachments KWMC Drawu Desc

14. Document ID: US 20020155605 A1

L3: Entry 14 of 39

File: PGPB

Oct 24, 2002

PGPUB-DOCUMENT-NUMBER: 20020155605

PGPUB-FILING-TYPE: new

DOCUMENT-IDENTIFIER: US 20020155605 A1

TITLE: Cytoplasmic inhibition of gene expression

PUBLICATION-DATE: October 24, 2002

INVENTOR - INFORMATION:

CITY NAME STATE COUNTRY RULE-47 CA US

Kumagai, Monto Hiroshi Davis CA US Della-Cioppa, Guy Richard Vacaville Donson, Jonathan Davis CA US Harvey, Damon Alan Vacaville CA US

US-CL-CURRENT:  $\frac{435}{414}$ ;  $\frac{435}{320.1}$ ,  $\frac{435}{468}$ 

Full Title Citation Front Review Classification Date Reference Sequences Attachments KWMC - Drawi Desc Image

15. Document ID: US 20020132308 A1

L3: Entry 15 of 39

File: PGPB

Sep 19, 2002

PGPUB-DOCUMENT-NUMBER: 20020132308

PGPUB-FILING-TYPE: new

DOCUMENT-IDENTIFIER: US 20020132308 A1

TITLE: Novel constructs and their use in metabolic pathway engineering

PUBLICATION-DATE: September 19, 2002

INVENTOR-INFORMATION:

NAME CITY STATE COUNTRY RULE-47

Liu, Lu Redwood City CA US Zhu, Genhai San Jose CA US

US-CL-CURRENT: 435/91.2; 435/468

Image	

16. Document ID: US 20020128464 A1

L3: Entry 16 of 39 File: PGPB Sep 12, 2002

PGPUB-DOCUMENT-NUMBER: 20020128464

PGPUB-FILING-TYPE: new

DOCUMENT-IDENTIFIER: US 20020128464 A1

TITLE: Method of finding modulators of enzymes of the carotenoid biosynthetic pathway

PUBLICATION-DATE: September 12, 2002

INVENTOR-INFORMATION:

NAME CITY STATE COUNTRY RULE-47

Busch, Marco Langenfeld DE Hain, Rudiger Langenfeld DE

US-CL-CURRENT: 536/23.6; 435/189, 435/410, 800/317.3

Full	Title	Citation	Front	Review	Classification	Date	Reference	Sequences	Attachments	KOMC Drawn Desc
Image										

17. Document ID: US 20020069429 A1

L3: Entry 17 of 39 File: PGPB Jun 6, 2002

PGPUB-DOCUMENT-NUMBER: 20020069429

PGPUB-FILING-TYPE: new

DOCUMENT-IDENTIFIER: US 20020069429 A1

TITLE: Method for conferring herbicide, pest, or disease resistance in plant hosts

PUBLICATION-DATE: June 6, 2002

INVENTOR-INFORMATION:

NAME CITY STATE COUNTRY RULE-47

Kumagai, Monto H. Davis CA US Della-Cioppa, Guy R. Vacaville CA US

US-CL-CURRENT: 800/279; 435/6, 800/280

Full Title Citation Front Re	view Classification Date Refe	rence Sequence	es Attachments	KWMC Draws Des
Full   Title   Citation   Front   Re	view   Classification   Date   Nete	ience   Soquence	SS   Allacimistis	
18. Document ID:	US 20020053094 A1			
	Fi	le: PGPB		May 2, 2002
PGPUB-DOCUMENT-NUMBER: 200 PGPUB-FILING-TYPE: new DOCUMENT-IDENTIFIER: US 20				
TITLE: EXPRESSION OF EUKAF	RYOTIC PEPTIDES IN PL	ANT PLASTI	DS	
PUBLICATION-DATE: May 2, 2	2002			
INVENTOR-INFORMATION:	CITY	STATE	COUNTRY	RULE-47
MCBRIDE, KEVIN E.	DAVIS	CA	US	NODE 17
NEHRA, NARENDER	CHESTERFIELD	MO	US	
RUSSELL, DOUGLAS A.	MADISON	WI	US	
STALKER, DAVID M.	WOODLAND	CA	US	
STAUB, JEFFREY M.	CHESTERFIELD	MO	US	
Image		•		
19. Document ID:	US 20010006797 A1			
L3: Entry 19 of 39	Fi	ile: PGPB		Jul 5, 2001
PGPUB-DOCUMENT-NUMBER: 200 PGPUB-FILING-TYPE: new-uti DOCUMENT-IDENTIFIER: US 20	ility			
FITLE: CYTOPLASMIC INHIBIT	rion of gene expressi	ON BY VIRA	L RNA	
PUBLICATION-DATE: July 5,	2001			
INVENTOR-INFORMATION:				
NAME	CITY	STATE	COUNTRY	RULE-47
KUMAGAI, MONTO H.	DAVIS	CA	US	
DELLA-CIOPPA, GUY R.	VACAVILLE	CA	US	
DONSON, JONATHAN	OAK PARK	CA	US	
	סטטטטט פע	CA	TTC	
HARVEY, DAMON A.	BERKELEY VACAVILLE	CA CA	US US	
GRILL, LAURENCE K.	BERKELEY VACAVILLE	CA CA	US US	

US-CL-CURRENT:  $\underline{435}/\underline{69.1}$ ;  $\underline{435}/\underline{320.1}$ ,  $\underline{435}/\underline{375}$ ,  $\underline{435}/\underline{410}$ ,  $\underline{435}/\underline{468}$ 

Title Citation Front Review Classification Date Reference Sequences Attachments

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KWIC Draw, Desc

20. Document ID: US 6512162 B2

L3: Entry 20 of 39

File: USPT

Jan 28, 2003

US-PAT-NO: 6512162

DOCUMENT-IDENTIFIER: US 6512162 B2

TITLE: Expression of eukaryotic peptides in plant plastids

DATE-ISSUED: January 28, 2003

INVENTOR-INFORMATION:

NAME CITY ZIP CODE COUNTRY STATE McBride; Kevin E. Davis CA Nehra; Narender Chesterfield MO Russell; Douglas A. Madison WI Stalker; David M. Woodland CA Staub; Jeffrey M. Chesterfield MO

US-CL-CURRENT: 800/278; 435/419, 435/468, 536/23.5, 536/23.6, 536/23.7, 536/23.72, 536/24.1, 800/287, 800/288

Full Title Citation Front Review Classification Date Reference Sequences Attach	nents KWMC Draw. Desc
. Generate Collection Print	
Terms	Documents
L2 same (gene\$3 or isolat\$3 or recombin\$4 or clon\$4)	39

Display Format: - Change Format

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# WEST

**Generate Collection** 

Print

# **Search Results -** Record(s) 21 through 30 of 39 returned.

21. Document ID: US 6492578 B1

L3: Entry 21 of 39

File: USPT

Dec 10, 2002

US-PAT-NO: 6492578

DOCUMENT-IDENTIFIER: US 6492578 B1

TITLE: Expression of herbicide tolerance genes in plant plastids

DATE-ISSUED: December 10, 2002

INVENTOR - INFORMATION:

NAME CITY STATE ZIP CODE COUNTRY Staub; Jeffrey M. Chesterfield MO Hajdukiewicz; Peter Chesterfield MO McBride; Kevin E. Davis CA Nehra; Narender Chesterfield MO Schaaf; David J. Davis CA Stalker; David M. Woodland CA Ye; Guangning Ellisville MO

US-CL-CURRENT: 800/300; 435/418, 435/419, 435/468, 435/69.1, 536/23.2, 536/23.6, 536/23.7, 536/23.7, 536/24.1, 800/278, 800/287, 800/288

Full	Title	Citation	Front	Review	Classification	Date	Reference	Sequences	Attachments	KMC	Draww Desc
Image											

22. Document ID: US 6479291 B2

L3: Entry 22 of 39

File: USPT

Nov 12, 2002

US-PAT-NO: 6479291

DOCUMENT-IDENTIFIER: US 6479291 B2

TITLE: Cytoplasmic inhibition of gene expression by viral RNA

DATE-ISSUED: November 12, 2002

INVENTOR-INFORMATION:

NAME CITY STATE ZIP CODE COUNTRY Kumagai; Monto H. Davis CA Della-Cioppa; Guy R. Vacaville CA Donson; Jonathan Oak Park CA Harvey; Damon A. Berkeley CA Grill; Laurence K. Vacaville CA

US-CL-CURRENT: 435/468; 435/320.1, 435/410

Full Title Citation Front Review Classification Date Reference Sequences Attachments KMC Draw. Desco

23. Document ID: US 6426185 B1

L3: Entry 23 of 39

File: USPT

Jul 30, 2002

US-PAT-NO: 6426185

DOCUMENT-IDENTIFIER: US 6426185 B1

TITLE: Method of compiling a functional gene profile in a plant by transfecting a nucleic acid sequence of a donor plant into a different host plant in an anti-sense orientation

DATE-ISSUED: July 30, 2002

INVENTOR-INFORMATION:

CITY STATE ZIP CODE COUNTRY NAME CA Kumagai; Monto H. Davis CA della-Cioppa; Guy R. Vacaville Erwin; Robert L. CA Vacaville McGee; David R. Vacaville CA

US-CL-CURRENT: 435/6; 435/468, 435/91.1, 536/23.1, 536/23.6, 536/23.72, 536/24.1, 536/24.5

10000	Full	Title	Citation	Front	Review	Classification	Date	Reference	Sequences	Attachments	KMC	Drawii Desc
i	Image											

24. Document ID: US 6376752 B1

L3: Entry 24 of 39

File: USPT

Apr 23, 2002

US-PAT-NO: 6376752

DOCUMENT-IDENTIFIER: US 6376752 B1

TITLE: Cytoplasmic inhibition of gene expression in a plant

DATE-ISSUED: April 23, 2002

INVENTOR-INFORMATION:

NAME CITY STATE ZIP CODE COUNTRY Kumagai; Monto H. CA Davis Della-Cioppa; Guy R. Vacaville CA Donson; Jonathan Oak Park CA Harvey; Damon A. Berkeley CA Grill; Laurence K. Vacaville CA

US-CL-CURRENT: 800/295; 800/285, 800/286

Full Title Citation Front Review Classification Date Reference Sequences Attachments

KWMC Drawn Desc

25. Document ID: US 6303848 B1

L3: Entry 25 of 39

File: USPT

Oct.16, 2001

US-PAT-NO: 6303848

DOCUMENT-IDENTIFIER: US 6303848 B1

TITLE: Method for conferring herbicide, pest, or disease resistance in plant hosts

DATE-ISSUED: October 16, 2001

INVENTOR-INFORMATION:

della-Cioppa; Guy R.

NAME

CITY

STATE ZIP CODE

COUNTRY

Kumagai; Monto H.

Davis Vacaville CA CA

US-CL-CURRENT: 800/300; 435/320.1, 435/468, 536/23.1, 536/23.2, 536/24.1, 800/278

Full Title Citation Front Review Classification Date Reference Sequences Attachments

Image

KWMC Draw, Desc

26. Document ID: US 6271444 B1

L3: Entry 26 of 39

File: USPT

Aug 7, 2001

US-PAT-NO: 6271444

DOCUMENT-IDENTIFIER: US 6271444 B1

TITLE: Enhancer elements for increased translation in plant plastids

DATE-ISSUED: August 7, 2001

INVENTOR-INFORMATION:

NAME

CITY

STATE

ZIP CODE

COUNTRY

McBride; Kevin E.

Davis

CA

Staub; Jeffrey M. Chesterfield MO

US-CL-CURRENT: 800/300; 435/418, 435/419, 435/468, 435/69.1, 536/23.2, 536/23.7, 536/23.7, 536/24.1, 800/278, 800/287, 800/288

Full Title Citation Front Review Classification Date Reference Sequences Attachments

KWMC Drawn Desc

71 27. Document ID: US 6252141 B1

L3: Entry 27 of 39

File: USPT

Jun 26, 2001

US-PAT-NO: 6252141

DOCUMENT-IDENTIFIER: US 6252141 B1

TITLE: Tomato gene B polynucleotides coding for lycopene cyclase

DATE-ISSUED: June 26, 2001

INVENTOR-INFORMATION:

NAME CITY STATE ZIP CODE COUNTRY

Hirschberg; Joseph Jerusalem IL
Ronen; Gil Beer-Sheva IL
Zamir; Dany Gedera IL

US-CL-CURRENT: 800/298; 435/252.3, 435/419, 536/23.2

Image	Full	Title	Citation	Front	Review	Classification	Date	Reference	Sequences	Attachments	KWIC Draw Des
	Image										

28. Document ID: US 5922602 A

L3: Entry 28 of 39 File: USPT

Jul 13, 1999

US-PAT-NO: 5922602

DOCUMENT-IDENTIFIER: US 5922602 A

TITLE: Cytoplasmic inhibition of gene expression

DATE-ISSUED: July 13, 1999

INVENTOR-INFORMATION:

NAME CITY STATE ZIP CODE COUNTRY Kumagai; Monto Hiroshi Davis CA

della-Cioppa; Guy Richard Vacaville CA
Donson; Jonathan Davis CA
Harvey; Damon Alan Vacaville CA
Grill; Laurence K. Vacaville CA

US-CL-CURRENT: 435/468; 435/320.1, 435/419

Full	Title	Citation	Front	Review	Classification	Date	Reference	Sequences	Attachments	KWMC Draw. Desc
Image										
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29. Document ID: US 5792903 A

L3: Entry 29 of 39 File: USPT Aug 11, 1998

US-PAT-NO: 5792903

DOCUMENT-IDENTIFIER: US 5792903 A

TITLE: Lycopene cyclase gene

DATE-ISSUED: August 11, 1998

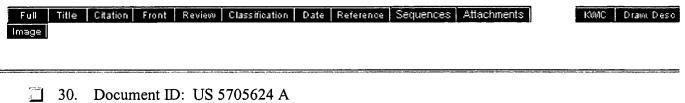
INVENTOR-INFORMATION:

NAME . CITY STATE ZIP CODE COUNTRY

Hirschberg; Joseph Jerusalem IL

Cunningham, Jr.; Francis Xavier Chevy Chase MD Gantt; Elisabeth Bethseda MD

US-CL-CURRENT: 800/282; 435/243, 435/252.3, 435/252.8, 435/320.1, 435/419, 435/69.1, 435/70.1, 536/23.7, 800/295, 800/296, 800/300



13 February 20 of 20

L3: Entry 30 of 39

File: USPT

Jan 6, 1998

US-PAT-NO: 5705624

DOCUMENT-IDENTIFIER: US 5705624 A

TITLE: DNA sequences encoding enzymes useful in phytoene biosynthesis

DATE-ISSUED: January 6, 1998

INVENTOR-INFORMATION:

NAME	CITY	STATE	ZIP CODE	COUNTRY
Fitzmaurice; Wayne Paul	Vacaville	CA	95687	
Hellmann; Gary Mark	Clemmons	NC	27012	
Grill; Laurence Kay	Vacaville	CA	95688	
Kumagai; Monto Hiroshi	Davis	CA	95616	
della-Cioppa; Guy Richard	Vacaville	CA	95688	

US-CL-CURRENT: <u>536/23.2</u>; <u>435/183</u>, <u>536/23.6</u>

Full	Title Cit	ation Front	Review	Classification	Date	Reference	Sequences	Attachments	KWMC Draw. D
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Search Results - Record(s) 31 through 39 of 39 returned.

1 31. Document ID: US 5684238 A

L3: Entry 31 of 39

File: USPT

Nov 4, 1997

US-PAT-NO: 5684238

DOCUMENT-IDENTIFIER: US 5684238 A

\*\* See image for Certificate of Correction \*\*

TITLE: Biosynthesis of zeaxanthin and glycosylated zeaxanthin in genetically

engineered hosts

DATE-ISSUED: November 4, 1997

INVENTOR-INFORMATION:

NAME CITY ZIP CODE COUNTRY STATE Ausich; Rodney L. Glen Ellyn IL Lisle Brinkhaus; Friedhelm Luetke IL Mukharji; Indrani Evanston IL Proffitt; John H. Oak Park IL Yarger; James G. St. Charles IL Yen; Huei-Che Bill Naperville TT,

 $\text{US-CL-CURRENT: } \underline{800/298}; \ \underline{435/189}, \ \underline{435/320.1}, \ \underline{435/67}, \ \underline{435/69.1}, \ \underline{536/23.2}, \ \underline{800/317.3}$ 

Full Title Citation Front Review Classification Date Reference Sequences Attachments
Image

KWMC - Draww Desc

32. Document ID: US 5656472 A

L3: Entry 32 of 39

File: USPT

Aug 12, 1997

US-PAT-NO: 5656472

DOCUMENT-IDENTIFIER: US 5656472 A

\*\* See image for Certificate of Correction \*\*

TITLE: Beta-carotene biosynthesis in genetically engineered hosts

DATE-ISSUED: August 12, 1997

INVENTOR - INFORMATION:

NAME CITY STATE ZIP CODE COUNTRY Glen Ellyn IL Ausich; Rodney L. Brinkhaus; Friedhelm Luetke Lisle IL Mukharji; Indrani Evanston IL Oak Park IL Proffitt; John St. Charles IL Yarger; James Naperville Yen; Huei-Che Bill IL

US-CL-CURRENT:  $\frac{435}{193}$ ;  $\frac{435}{189}$ ,  $\frac{435}{252.2}$ ,  $\frac{435}{252.3}$ ,  $\frac{435}{252.33}$ ,  $\frac{435}{320.1}$ ,  $\frac{435}{67}$ ,  $\frac{435}{69.1}$ ,  $\frac{435}{847}$ ,  $\frac{536}{23.1}$ ,  $\frac{536}{23.2}$ ,  $\frac{536}{23.6}$ 

Full Title Citation Front Review Classification Date Reference Sequences Attachments KWIC Draw Desc Image

33. Document ID: US 5618988 A

L3: Entry 33 of 39

File: USPT

Apr 8, 1997

US-PAT-NO: 5618988

DOCUMENT-IDENTIFIER: US 5618988 A

TITLE: Enhanced carotenoid accumulation in storage organs of genetically engineered

plants

DATE-ISSUED: April 8, 1997

INVENTOR-INFORMATION:

NAME CITY STATE ZIP CODE COUNTRY

Hauptmann; Randal Woodland CA
Eschenfeldt; William H. St. Charles IL
English; Jami Aurora IL
Brinkhaus; Friedhelm L. Lisle IL

US-CL-CURRENT: 800/282; 800/294, 800/298

Full Title Citation Front Review Classification Date Reference Sequences Attachments KWIC Draw Description

34. Document ID: US 5545816 A

L3: Entry 34 of 39

File: USPT

Aug 13, 1996

US-PAT-NO: 5545816

DOCUMENT-IDENTIFIER: US 5545816 A

TITLE: Phytoene biosynthesis in genetically engineered hosts

DATE-ISSUED: August 13, 1996

INVENTOR - INFORMATION:

NAME CITY STATE ZIP CODE COUNTRY ΙL Ausich; Rodney L. Glen Ellyn Brinkhaus; Friedhelm L. Lisle ILMukharji; Indrani Evanston IL Proffitt; John Oak Park IL Yarger; James St. Charles IL Yen; Huei-Che B. Naperville IL

US-CL-CURRENT: 800/298; 435/320.1, 536/23.2, 800/317.3

Full Title Citation Front Review Classification Date Reference Sequences Attachments KWC Draw Desco

35. Document ID: US 5539093 A

L3: Entry 35 of 39

File: USPT

Jul 23, 1996

US-PAT-NO: 5539093

DOCUMENT-IDENTIFIER: US 5539093 A

TITLE: DNA sequences encoding enzymes useful in carotenoid biosynthesis

DATE-ISSUED: July 23, 1996

INVENTOR-INFORMATION:

NAME CITY STATE ZIP CODE COUNTRY Fitzmaurice; Wayne P. Clemmons NC 27012 Clemmons NC 27012 Hellmann; Gary M. Vacaville Grill; Laurence K. CA 95688 Davis 95616 Kumagai; Monto H. CA Vacaville CA 95688 della-Cioppa; Guy R.

US-CL-CURRENT: 536/23.2; 435/189

Full Title Citation Front Review Classification Date Reference Sequences Attachments KMIC Draw. Desc

☐ 36. Document ID: US 5530189 A

L3: Entry 36 of 39

File: USPT

Jun 25, 1996

US-PAT-NO: 5530189

DOCUMENT-IDENTIFIER: US 5530189 A

TITLE: Lycopene biosynthesis in genetically engineered hosts

DATE-ISSUED: June 25, 1996

INVENTOR-INFORMATION:

NAME	CITY	STATE	ZIP CODE	COUNTRY
Ausich; Rodney L.	Glen Ellyn	IL		
Brinkhaus; Friedhelm L.	Lisle	IL		
Mukharji; Indrani	Evanston	IL		
Proffitt; John	Oak Park	IL		
Yarger; James	St. Charles	IL		
Yen; Huei-Che B.	Naperville	IL		

US-CL-CURRENT: 800/298; 435/320.1, 536/23.2, 800/317.3

Full	Title	Citation	Front	Review	Classification	Date	Reference	Sequences	Attachments	KMMC Draw
Image					•					

37. Document ID: US 5530188 A

L3: Entry 37 of 39

File: USPT

Jun 25, 1996

US-PAT-NO: 5530188

DOCUMENT-IDENTIFIER: US 5530188 A

TITLE: Beta-carotene biosynthesis in genetically engineered hosts

DATE-ISSUED: June 25, 1996

INVENTOR-INFORMATION:

NAME	CITY	STATE	ZIP CODE	COUNTRY
Ausich; Rodney L.	Glen Ellyn	IL		
Brinkhaus; Friedhelm L.	Lisle	IL		
Mukharji; Indrani	Evanston	IL		
Proffitt; John	Oak Park	IL		
Yarger; James	St. Charles	IL	•	
Yen; Huei-Che B.	Naperville	IL		

US-CL-CURRENT: 800/282; 435/320.1, 536/23.2, 800/298, 800/317.3

Full	Title	Citation	Front	Review	Classification	Date	Reference	Sequences	Attachments	KVMC Draw. Desc
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38. Document ID: US 5705624 A

L3: Entry 38 of 39

File: DWPI

Jan 6, 1998

DERWENT-ACC-NO: 1998-086196

DERWENT-WEEK: 199808

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TITLE: DNA encoding tobacco phytoene synthase polypeptides - useful for producing

recombinant polypeptides or transgenic plants

INVENTOR: DELLA-CIOPPA, G R; FITZMAURICE, W P ; GRILL, L K ; HELLMANN, G M ; KUMAGAI,

МН

PRIORITY-DATA: 1995US-0579667 (December 27, 1995)

PATENT-FAMILY:

PUB-NO

PUB-DATE

LANGUAGE

**PAGES** 

MAIN-IPC

US 5705624 A

January 6, 1998

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C07H021/04

INT-CL (IPC): C07 + 21/04;  $C12 \times 9/00$ 

Full Title Citation Front Review Classification Date Reference Sequences Attachments

KWIC Draw, Desc

39. Document ID: WO 9619103 A1 US 5633440 A

L3: Entry 39 of 39

File: DWPI

Jun 27, 1996

DERWENT-ACC-NO: 1996-309200

DERWENT-WEEK: 199727

COPYRIGHT 2003 DERWENT INFORMATION LTD

TITLE: New plant P119 promoter - useful for generating transgenic plant, pref. tomato

or tobacco, with e.g. herbicide, fungal disease or bacterial disease resistance

INVENTOR: DUNSMUIR, P; STOTT, J S

PRIORITY-DATA: 1994US-0359696 (December 20, 1994)

PATENT-FAMILY:

PUB-NO

PUB-DATE

LANGUAGE

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PAGES

050

017

MAIN-IPC A01H005/00

WO 9619103 A1 US 5633440 A June 27, 1996 May 27, 1997

A01H005/00

INT-CL (IPC): A01 H 5/00; C12 N 5/04; C12 N 15/29; C12 N 15/82; C12 N 15/84

Full	Title	Citation	Front	Review	Classification	Date	Reference	Sequences	Attachments	KWIO	: Di	raw. Desc
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